

**IN THE SPECIFICATION**

Please amend the specification as follows:

Please amend numbered paragraphs [0014] through [0016], as follows:

~~Objects of the Invention~~

[0014] Accordingly, ~~an object of the present invention is~~ it would be desirable to provide apparatus and methods for creating a particle pack that simulate the actual particle distribution within a space with a reasonable degree of accuracy.

[0015] ~~Another object of the invention is~~ It would also be desirable to provide apparatus and methods for creating a particle pack that involve reduced processing demands and increased processing efficiency relatively to full field simulation.

[0016] ~~Additional objects and advantages of the invention will be set forth in the description that follows, and in part~~ Advantages of the invention will be apparent from the description, or may be learned by practice of the invention in accordance therewith. The ~~objects~~ and advantages of the invention may be realized and obtained by means of the instrumentalities and combinations pointed out in the appended claims.